

CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1-23. (Cancelled).

24. (Currently Amended) A fluid filter material comprising an oxygen gas plasma-treated polyurethane non-woven porous fabric layer.

25. (Currently Amended) The filter material of Claim ~~24~~ 36, wherein the oxygen gas plasma-treated polyurethane is more hydrophilic than untreated polyurethane.

26. (Cancelled).

27. (Currently Amended) The filter material of Claim ~~26~~ 24, wherein the fabric is operable to selectively leukodeplete a fluid containing platelets when the fluid flows through the fabric.

28. (Original) The filter material of Claim 27, wherein the fabric is operable to remove leukocytes to a degree of at least approximately 2 log from the fluid while removing approximately 20% or less of platelets in the fluid when the fluid flows through the fabric.

29-35. (Cancelled).

36. (New) The filter material of Claim 27, wherein the fabric is operable to remove leukocytes to a degree of at least approximately 2 log from the fluid while removing approximately 15% or less of platelets in the fluid when the fluid flows through the fabric.

37. (New) The filter material of Claim 24, wherein platelets do not substantially adhere to the oxygen gas plasma-treated fabric.

38. (New) The filter material of Claim 24, wherein the oxygen gas plasma-treated fabric comprises pores.

39. (New) The filter material of Claim 24, wherein a mean diameter of the pores is between 5 and 15 μm .

40. (New) The filter material of Claim 39, wherein the mean diameter of the pores is approximately 13 μm .

41. (New) The filter material of Claim 39, wherein the mean diameter of the pores is approximately 8 μm .

42. (New) A fluid filter material comprising an oxygen gas plasma-treated polyurethane non-woven porous fabric layer, wherein the oxygen gas plasma-treated polyurethane is more hydrophilic than untreated polyurethane.

43. (New) The filter material of Claim 42, wherein the fabric is operable to selectively leukodeplete a fluid containing platelets when the fluid flows through the fabric.

44. (New) The filter material of Claim 43, wherein the fabric is operable to remove leukocytes to a degree of at least approximately 2 log from the fluid while removing approximately 20% or less of platelets in the fluid when the fluid flows through the fabric.

45. (New) The filter material of Claim 43, wherein the fabric is operable to remove leukocytes to a degree of at least approximately 2 log from the fluid while removing approximately 15% or less of platelets in the fluid when the fluid flows through the fabric.

46. (New) The filter material of Claim 42, wherein platelets do not substantially adhere to the oxygen gas plasma-treated fabric.

47. (New) The filter material of Claim 42, wherein a mean diameter of the pores is large enough to allow passage of substantially all platelets in a fluid, but small enough to prevent passage of leukocytes in the fluid.

48. (New) The filter material of Claim 42, wherein a mean diameter of the pores is between 5 and 15 μm .

49. (New) The filter material of Claim 48, wherein the mean diameter of the pores is approximately 13 μm .

50. (New) The filter material of Claim 48, wherein the mean diameter of the pores is approximately 8 μm .

51. (New) A fluid filter material comprising an oxygen gas plasma-treated polyurethane non-woven porous fabric layer, wherein the oxygen gas plasma-treated polyurethane is more hydrophilic than untreated polyurethane, wherein the fabric is operable to selectively leukodeplete a fluid containing platelets when the fluid flows through the fabric, and wherein platelets do not substantially adhere to the oxygen gas plasma-treated fabric.

52. (New) The filter material of Claim 51, wherein the fabric is operable to remove leukocytes to a degree of at least approximately 2 log from the fluid while removing approximately 20% or less of platelets in the fluid when the fluid flows through the fabric.

53. (New) The filter material of Claim 51, wherein the fabric is operable to remove leukocytes to a degree of at least approximately 2 log from the fluid while removing approximately 15% or less of platelets in the fluid when the fluid flows through the fabric.

54. (New) A fluid filter material comprising an oxygen gas plasma-treated polyurethane non-woven porous fabric layer, wherein the oxygen gas plasma-treated polyurethane is more hydrophilic than untreated polyurethane, wherein the fabric is operable to selectively leukodeplete a fluid containing platelets when the fluid flows through the fabric, wherein platelets do not substantially adhere to the oxygen gas plasma-treated fabric, and wherein the oxygen gas plasma-treated fabric comprises pores having a mean diameter of large enough to allow passage of substantially all platelets in a fluid, but small enough to prevent passage of leukocytes in the fluid.